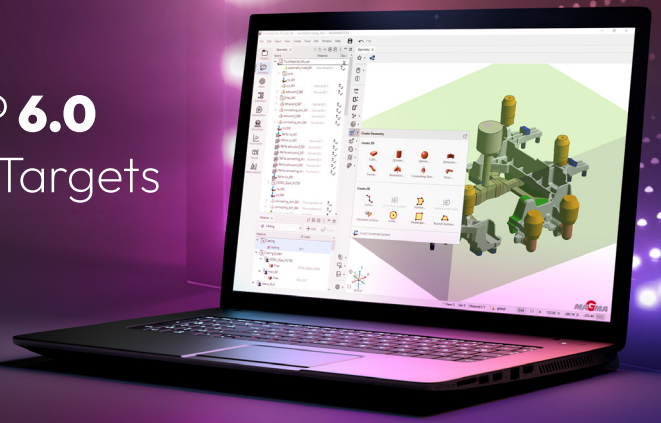# MAGMASOFT® 6.0
Faster to your Targets

IMPROVED USABILITY IN MAGMASOFT® 6.0

Achieve your objectives faster and more easily with a redesigned user experience. A few of the highlights:

¬ Streamlined and intuitive user interface
¬ Uniform look and feel from project definition through result evaluation
¬ Frequently used and required functions are in the forefront
¬ Customizable user favorites for quick and easy access for geometry creation and manipulation
¬ Accelerated result visualization for fast display and animations
¬ Simple synchronization of multiple result animations
¬ Easier optimization evaluation through access to 3D information from designs

YOUR BENEFITS

The new features and improvements in usability make working with MAGMASOFT® even more efficient. This means that applying the MAGMA APPROACH leads to an even faster time to answer.

¬ Get from project set-up to optimization through simulation faster
¬ Make fewer mouse clicks for an action and access exactly the right tools when needed
¬ Customize and access your settings when and where you need them
¬ Fast, easy and robust visualization means more time to evaluate and understand results

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Time is too valuable to spend more of it than necessary sitting behind a computer screen. A major focus of MAGMASOFT® 6.0 is on improving usability, meaning less clicks and shorter times to set-up and evaluate optimized casting layouts and processes. You always have the required next steps under your fingertips (or mouse pointer). Working more efficiently with MAGMASOFT® provides the information you need for decision-making faster and in a targeted manner.
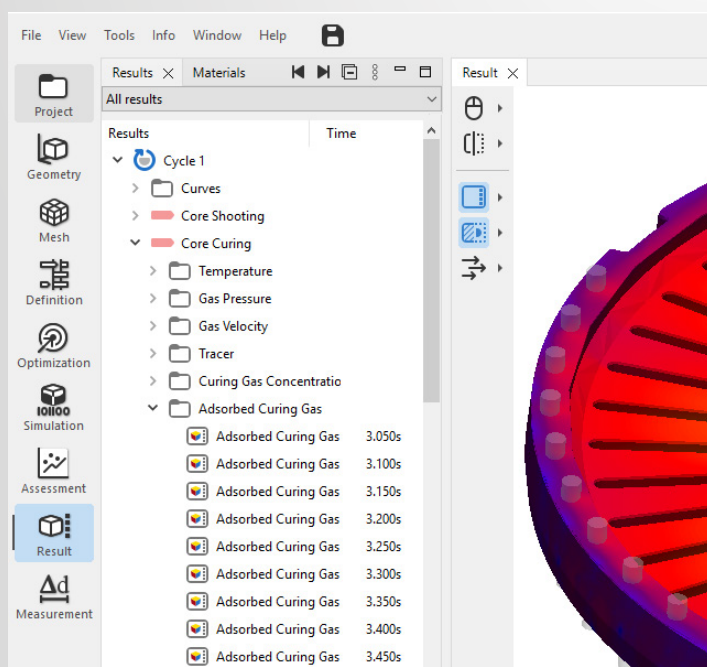
STREAMLINED AND INTUITIVE USER INTERFACE
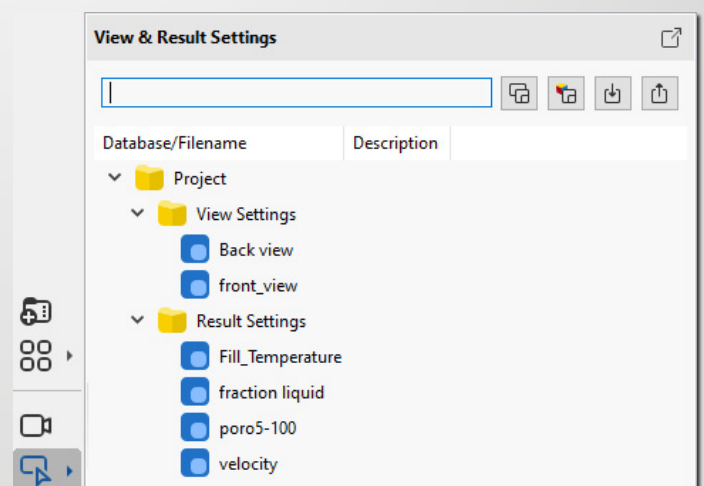
The updated user interface has been streamlined:

¬ The most frequently used functions are immediately accessible
¬ Functions and settings are offered based on the context of the current working step or result
¬ Tear-off dialogues keep frequently used menus always available

YOUR SETTINGS WHEN AND WHERE YOU NEED THEM

View settings can be defined, saved and re-used at any time during geometry creation, meshing, or result evaluation. These settings can also be saved and used across projects and project versions.

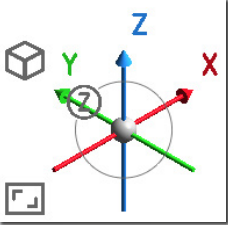*The user interface has been streamlined for a more efficient and intuitive handling.*

View and result settings can be defined and re-used in any Perspective and across projects.

Favorites toolbar minimizes clicks to action.

A customizable toolbar is available to make your most important functions for geometry creation and manipulation available at one place, meaning easy access to essential tools for your daily work.

INTUITIVE AND INTERACTIVE 3D VIEW CONTROL

A new interactive 3-D axis makes it easy to manipulate your geometry throughout your workflow:

- ¬ Fast one-click access to standard views
- ¬ Pick-and-drag rotation

3D view control for easy geometry manipulation

SIGNIFICANTLY FASTER RESULT VISUALIZATION

Result evaluation in MAGMASOFT® 6.0 is significantly faster, smoother and more robust. Many operations are faster, up to a factor of 10 times:
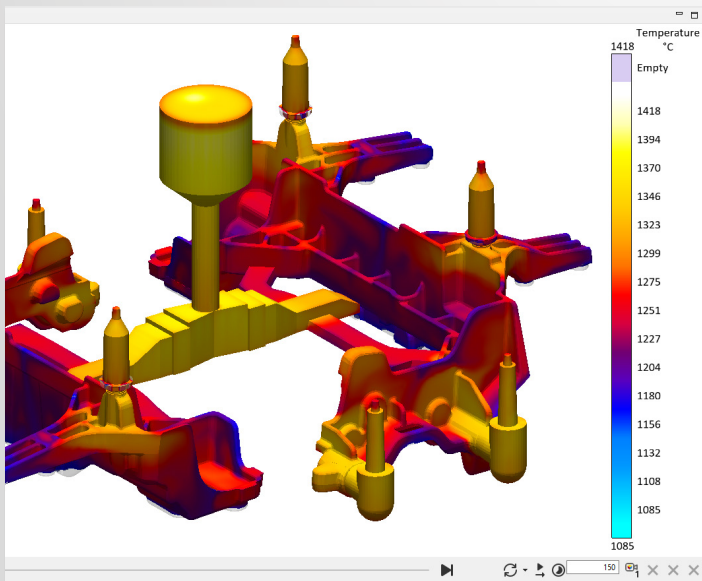
- ¬ Loading results and changing results
- ¬ Changing scales and X-ray settings
- ¬ Clipping and picking values
- ¬ Animation and image generation
- ¬ Curve generation

Only those icons and controls needed for a visualized result are offered, making result evaluation easier and more efficient.

NEW RESULT SCALE WITH MULTIPLE OPTIONS

A new result scale allows multiple options:

- ¬ Smooth color scale for an improved visualization, especially in animations
- ¬ Switch between smooth and discrete color scales to highlight specific results
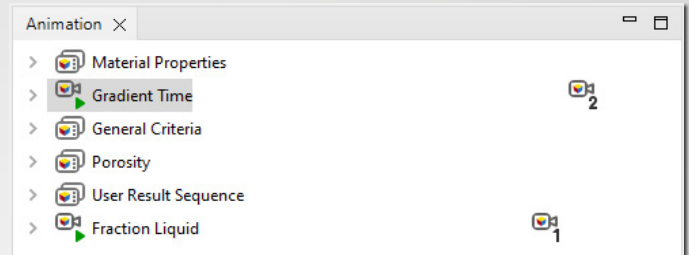- ¬ Inline adjustment of chosen scale and selected minimum and maximum values

Easily change scales for smooth animations or to highlight specific results.

ERROR-FREE HANDLING OF ANIMATIONS AND MULTIPLE VIEWS

The handling of animations and multi-view evaluations has been greatly simplified. For animations:

- ¬ Automatic access to animations from any selected result in a sequence
- ¬ Animation control slider always accessible
- ¬ Change scales or scale values in animation mode
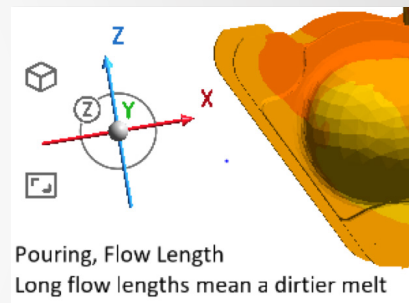

Handling and control of result animations

In multi-view mode:

- ¬ Easily synchronize result selection, settings (X-ray, legend, materials, clipping, etc.), position and picking points
- ¬ Easy and robust synchronization of different results
- ¬ Fewer clicks to synchronize different project versions

ADD INFORMATION TO RESULTS

Easily and quickly customize and create result information.

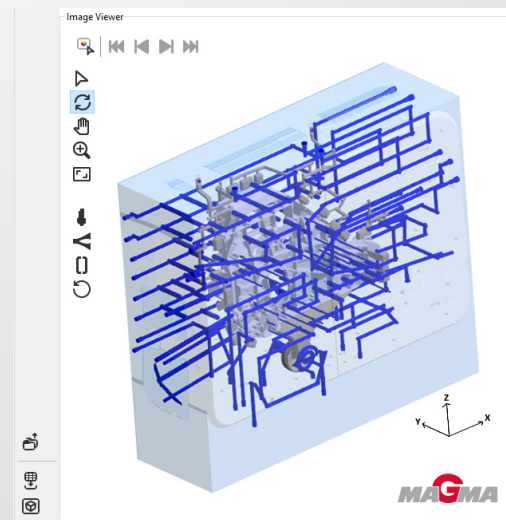- ¬ Show your customers all the information they want or need to know

Add your comments to results.

Pouring, Flow Length
Long flow lengths mean a dirtier melt

3-D ASSESSMENT OF DESIGNS IN AUTONOMOUS OPTIMIZATION

The integration of 3D geometries in the assessment of an optimization provides an optimal overview of each individual design:

- ¬ Select specific parts of the geometry for detailed visualization
- ¬ Rotate, zoom, move or cut through the geometry with MAGMAinteract®

Directly evaluate 3D geometries in the Evaluation Perspective.